

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061923\  
 Data File : VD076477.D  
 Acq On : 19 Jun 2023 18:45  
 Operator : KP/SY  
 Sample : 03289-08  
 Misc : 5.07G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-03-4.0-6.0

Quant Time: Jun 20 05:28:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 19 04:51:45 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.881  | 168  | 5437     | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 9147     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 9445     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 4391     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.222  | 65    | 4991     | 91.622   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 183.240%# |
| 35) Dibromofluoromethane    | 7.810  | 113   | 4233     | 77.899   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 155.800%# |
| 50) Toluene-d8              | 10.269 | 98    | 12156    | 58.987   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 117.980%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 3950     | 59.059   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 118.120%  |

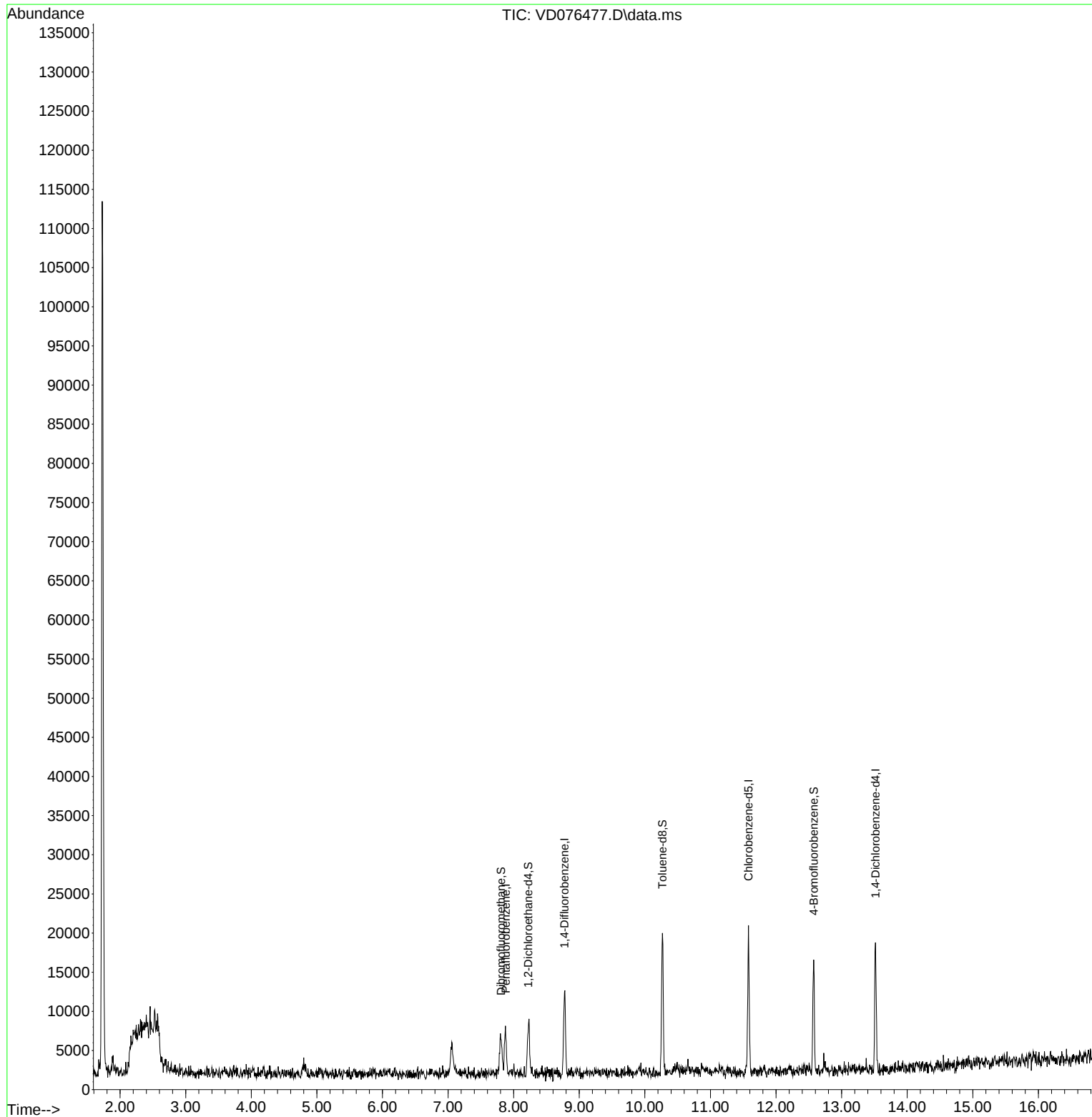
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

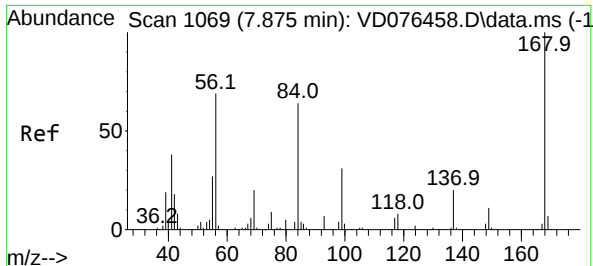
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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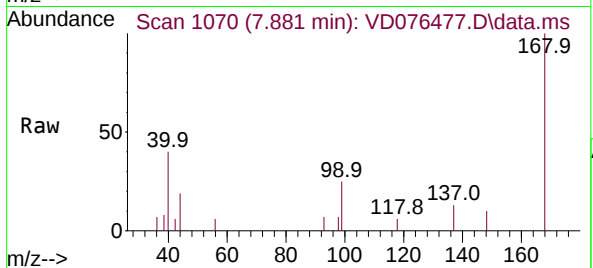
Quant Time: Jun 20 05:28:06 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
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QLast Update : Mon Jun 19 04:51:45 2023  
Response via : Initial Calibration



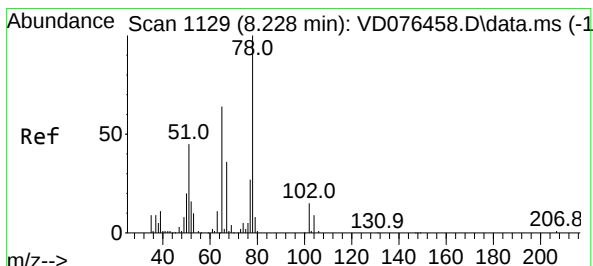
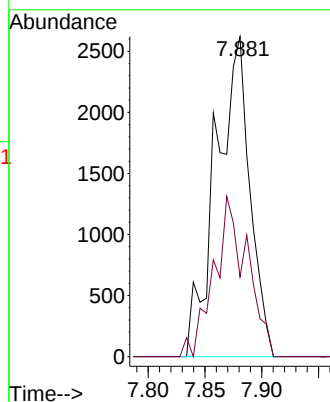
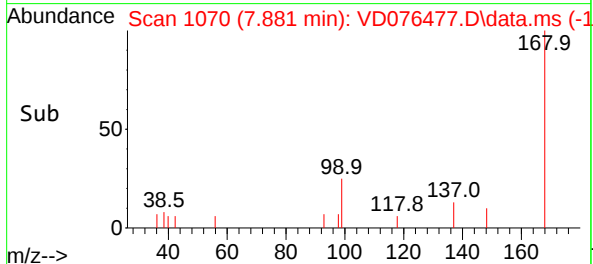


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 1069  
Delta R.T. 0.006 min  
Lab File: VD076477.D  
Acq: 19 Jun 2023 18:45

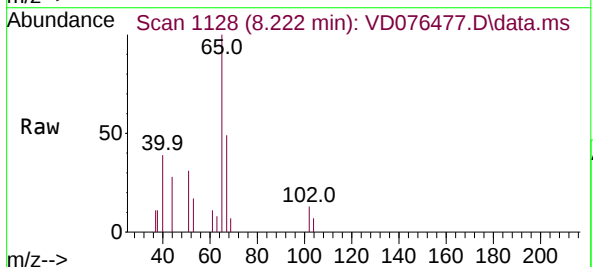
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-03-4.0-6.0



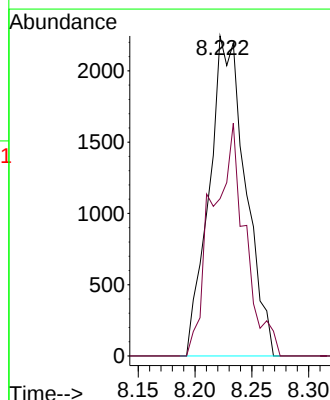
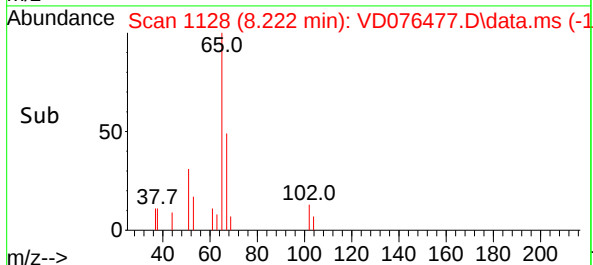
Tgt Ion:168 Resp: 5437  
Ion Ratio Lower Upper  
168 100  
99 25.0 36.7 55.1#

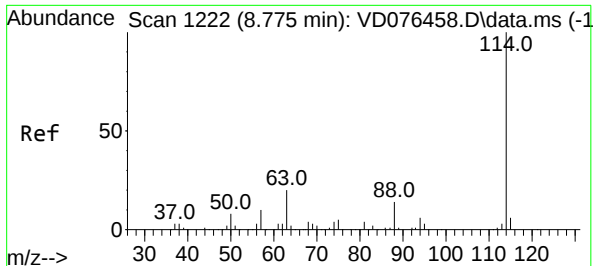


#33  
1,2-Dichloroethane-d4  
Concen: 91.622 ug/l  
RT: 8.222 min Scan# 1128  
Delta R.T. -0.006 min  
Lab File: VD076477.D  
Acq: 19 Jun 2023 18:45



Tgt Ion: 65 Resp: 4991  
Ion Ratio Lower Upper  
65 100  
67 66.4 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076477.D

Acq: 19 Jun 2023 18:45

Instrument :

MSVOA\_D

ClientSampleId :

SB-03-4.0-6.0

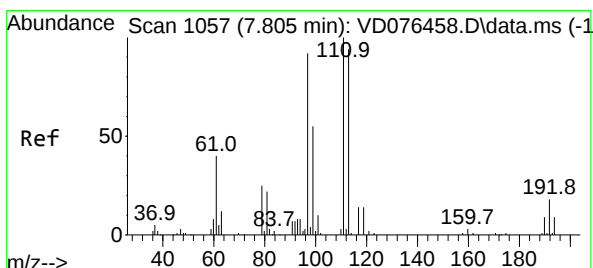
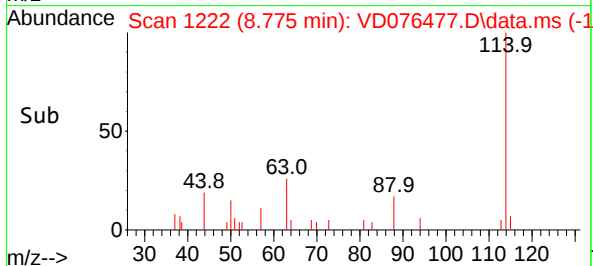
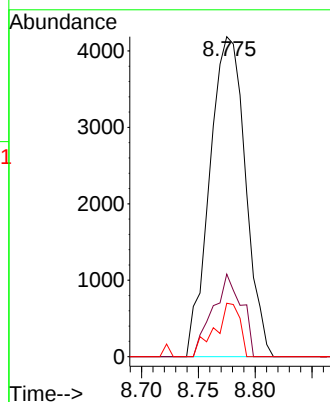
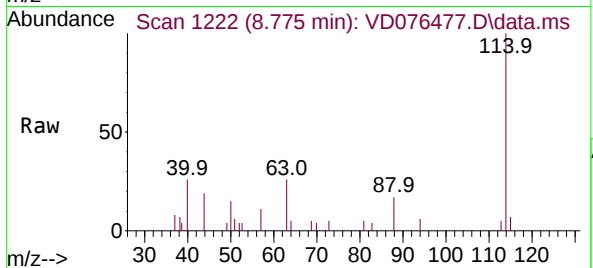
Tgt Ion:114 Resp: 9147

Ion Ratio Lower Upper

114 100

63 25.8 0.0 33.4

88 16.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 77.899 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD076477.D

Acq: 19 Jun 2023 18:45

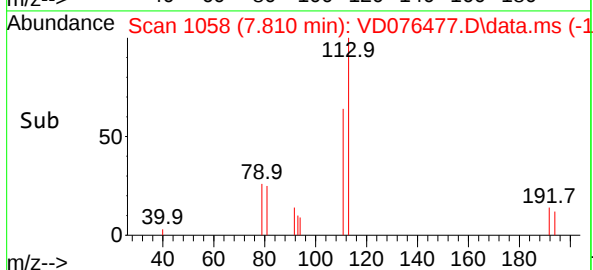
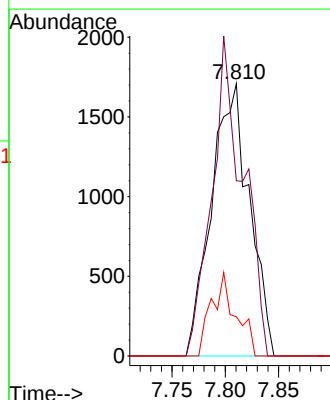
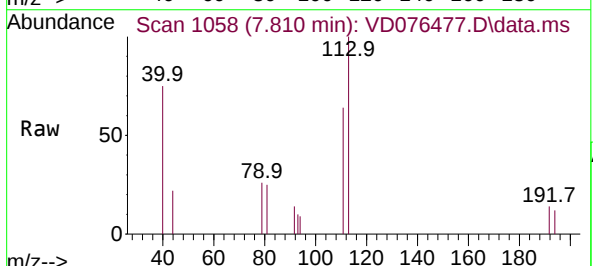
Tgt Ion:113 Resp: 4233

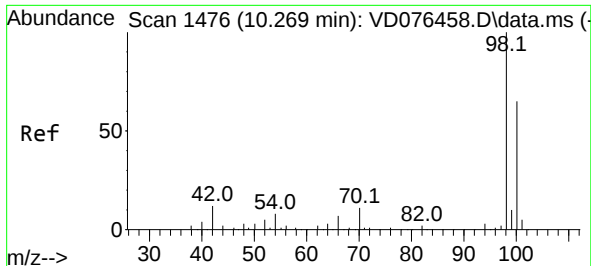
Ion Ratio Lower Upper

113 100

111 96.8 84.7 127.1

192 19.6 16.8 25.2

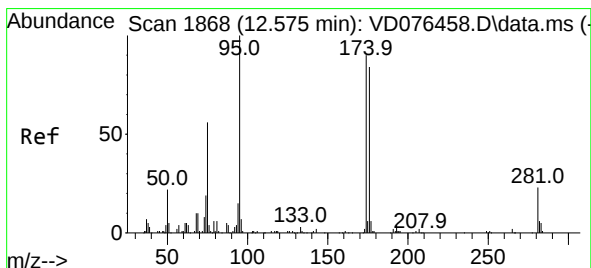
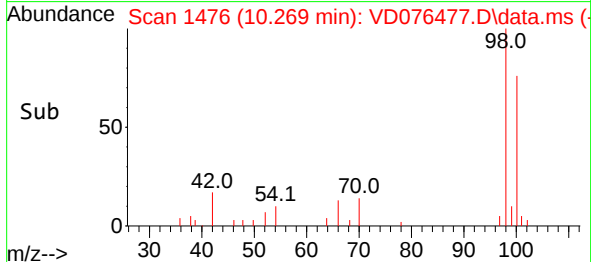
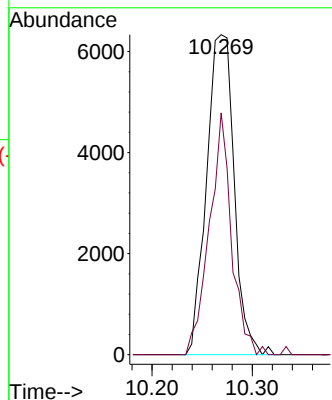
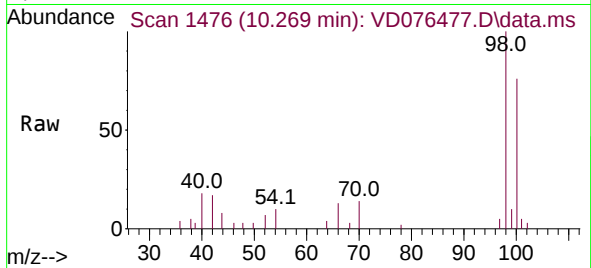




#50  
Toluene-d8  
Concen: 58.987 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD076477.D  
Acq: 19 Jun 2023 18:45

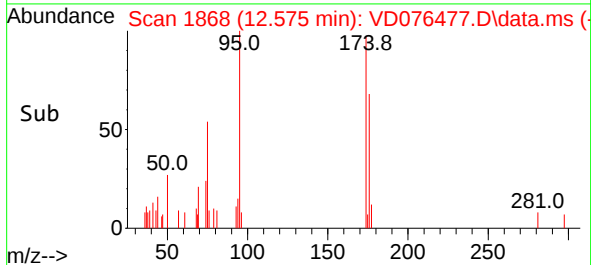
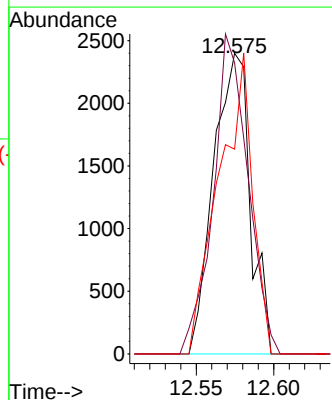
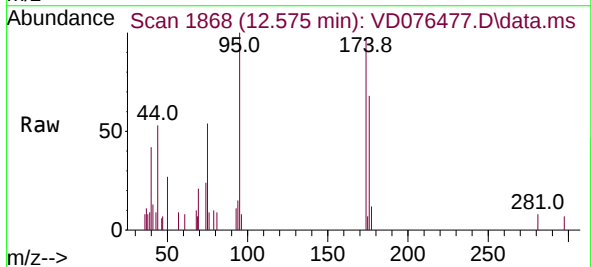
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MSVOA\_D  
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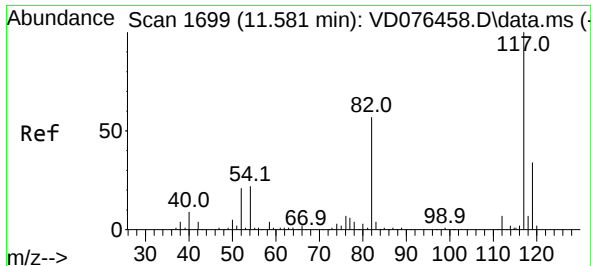
Tgt Ion: 98 Resp: 12156  
Ion Ratio Lower Upper  
98 100  
100 60.7 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 59.059 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076477.D  
Acq: 19 Jun 2023 18:45

Tgt Ion: 95 Resp: 3950  
Ion Ratio Lower Upper  
95 100  
174 100.6 0.0 201.8  
176 91.4 0.0 191.8

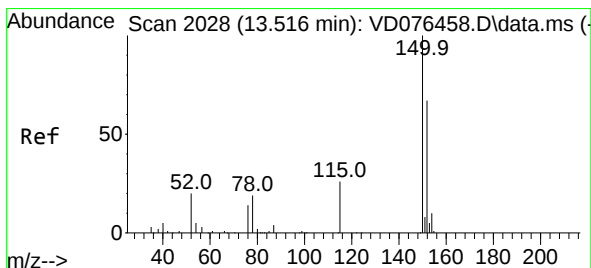
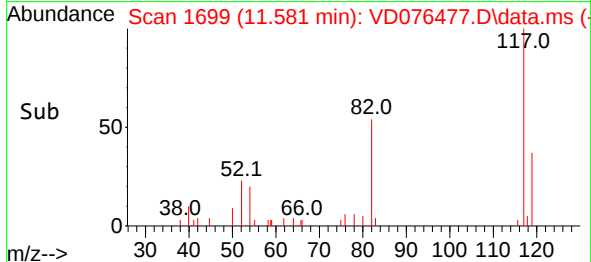
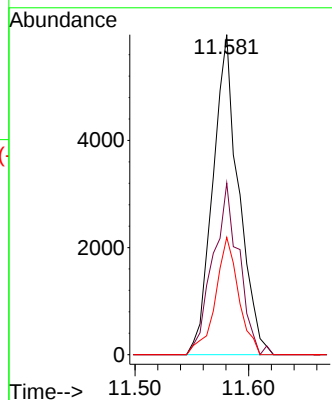
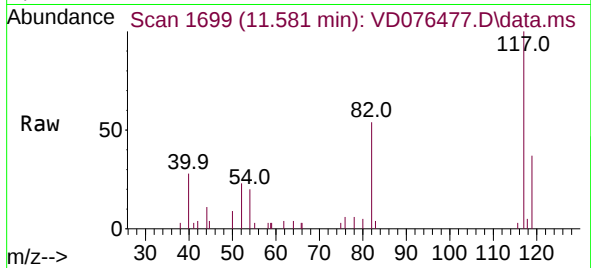




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD076477.D  
Acq: 19 Jun 2023 18:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-03-4.0-6.0

Tgt Ion:117 Resp: 9445  
Ion Ratio Lower Upper  
117 100  
82 53.7 38.3 57.5  
119 36.7 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD076477.D  
Acq: 19 Jun 2023 18:45

Tgt Ion:152 Resp: 4391  
Ion Ratio Lower Upper  
152 100  
115 55.0 27.1 81.3  
150 159.3 0.0 353.6

